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(54) Title: **BIOCOMPATIBLE IMPLANT AND USE OF THE SAME**

(57) **Abstract:** The present invention provides an implant capable of being cellularized in treatment of an injured organ or tissue in organisms. The present inventors found that a biocompatible implant comprising a biological molecule and a support is capable of being cellularized. The implant can be used instead of conventional implants which essentially comprise cells. The present invention provides a biocompatible implant comprising A) a biological molecule and B) a support. The present invention also provides A) a first layer having a rough surface, B) a rough surface; B) a second layer having a strength which allows the support to resist in vivo shock. The first layer is attached to the second layer via at least one point.

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